Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 17 Aug 2023 until 23:59 on Friday 18 Aug 2023

Forecast Issued on Wednesday 16 Aug 2023 at 16:01

Confidence: High confidence for warmer and more settled conditions on Thursday, before a band of thundery rain and showers moves east during Friday. Lower confidence on the timing and extent of the thundery rain/showers, and some uncertainty regarding the extent of overnight fog patches/low cloud ahead of this feature.

Headline for Thursday 17 Aug 2023: Areas of low cloud with mist and fog soon lifting, then mostly dry with sunny spells developing, just an isolated light shower possible in afternoon.

Mountain weather hazards on Thursday 17 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
FOG							
Fog	Cloudy	Cloudy	Sunny	Sunny	Sunny	Sunny	Cloudy
Precipitation probability							
<05%	<05%	<05%	10%	20%	30%	10%	10%

Forecast for Thursday 17 Aug 2023

Weather: Some areas of low cloud bringing mist and fog to eastern areas during the early hours. These soon lifting and clearing on Thursday morning to leave a largely dry day with sunny spells. Some cloud building to give chance of an isolated, light shower by the afternoon, the greatest risk probably across northern and western areas of the Park. Feeling very warm by afternoon in the strong sunshine. Strong easterly winds, gusty at times.

Chance of cloud-free hill tops above 600m: Generally 90% or more, but 30% or less for a time around dawn.

Low cloud and visibility: Areas of low cloud with some mist and fog in east, will soon clear to leave generally good or very good visibility and cloud above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 17 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/16 E	13/19 E	16/22 E	21/27 E	21/29 E	18/26 E	19/28 E	20/28 E	20/29 E
300	7/10 NE	8/12 NE	9/13 NE	10/15 NE	18/27 E	16/25 E	16/25 E	16/29 E	13/22 E
Valley	10/16 E	10/17 E	11/20 E	14/24 E	12/24 E	13/24 E	14/28 E	16/31 E	15/29 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/11	12/10	12/9	13/9	16/12	16/13	14/11	11/8	11/7
300	14/14	14/13	14/13	16/14	18/15	20/16	18/14	14/11	13/11
Valley	15/14	15/13	15/13	17/14	20/18	21/18	18/15	14/12	14/11
Freezing Level*	2400m	2400m	2500m	2500m	2400m	2500m	2600m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

UV levels moderate to high, so sun protection is advisable. Drinking water also strongly advised.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 16 Aug 2023	0.2mm	12.2mm	23.6mm

Forecast for Friday 18 Aug 2023

Weather: Areas of mist and low cloud spreading from east and northeast across most eastern areas in early hours of Friday morning. Increasing chance of thundery showers or longer spells of thundery rain during Friday morning and lasting into the early afternoon. Probably turning brighter, as low cloud lifts and breaks, with some warm, bright or sunny spells, and feeling quite humid in late afternoon. Thickening and lowering cloud bringing further showers and evening rain, with embedded thunderstorms giving a very wet end to Friday. Winds becoming strong.

Maximum wind: East or southeast with isolated gusts reaching around 40mph.

Chance of cloud-free hill tops above 600m: 60% to start early hours of Friday becoming 90% for much of daylight hours then 40% or less as rain arrives later with lowering cloud bases.

Low cloud and visibility: Broken bases 500m in early hours and again arriving with evening rain. Visibility moderate to poor with very poor visibility in cloud. Visibility good or very good in western areas for much of the day.

Temperature: **Valleys:** Plus 14 degrees Celsius rising to Plus 25 degrees Celsius.
At 600m: Plus 12 degrees Celsius rising to Plus 17 degrees Celsius.
Freezing level: Well above summits.

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